

ROBUST STEREO-DRIVEN VIDEO-BASED SURVEILLANCE

ABSTRACT OF THE DISCLOSURE

A method of tracking an object comprises providing a plurality of cameras, determining an image from each camera, and
5 determining a common plane in the images. The method further comprises determining a parallax for scene points across the images, incorporating the parallax as a feature in a background model, and estimating a change in the scene using the background model. A camera can be a pan-tilt-zoom camera. A camera can be
10 uncalibrated.